

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102125\  
 Data File : VY023537.D  
 Acq On : 21 Oct 2025 16:10  
 Operator : SY/MD  
 Sample : Q3406-01  
 Misc : 5.14g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ARS20-0037

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Title : SW846 8260

Signal : TIC: VY023537.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.622       | 467           | 476         | 487          | rVB5     | 11043          | 36548         | 1.04%           | 0.191%        |
| 2         | 6.890       | 839           | 848         | 863          | rBV2     | 33562          | 103792        | 2.96%           | 0.542%        |
| 3         | 7.634       | 960           | 970         | 976          | rBV      | 541434         | 1293461       | 36.89%          | 6.758%        |
| 4         | 7.713       | 976           | 983         | 999          | rVB      | 904659         | 2103882       | 60.00%          | 10.992%       |
| 5         | 8.061       | 1029          | 1040        | 1053         | rBV      | 425359         | 969598        | 27.65%          | 5.066%        |
| 6         | 8.616       | 1120          | 1131        | 1143         | rBV      | 1386196        | 2678018       | 76.38%          | 13.992%       |
| 7         | 10.109      | 1366          | 1376        | 1395         | rBV      | 2064372        | 3506262       | 100.00%         | 18.319%       |
| 8         | 10.512      | 1436          | 1442        | 1452         | rBV      | 48241          | 90873         | 2.59%           | 0.475%        |
| 9         | 10.877      | 1493          | 1502        | 1511         | rBV      | 28627          | 52779         | 1.51%           | 0.276%        |
| 10        | 11.414      | 1582          | 1590        | 1604         | rBV      | 1761106        | 2839466       | 80.98%          | 14.835%       |
| 11        | 12.408      | 1745          | 1753        | 1761         | rBV      | 1227912        | 1942740       | 55.41%          | 10.150%       |
| 12        | 13.347      | 1897          | 1907        | 1916         | rBV      | 1293780        | 1987907       | 56.70%          | 10.386%       |
| 13        | 14.200      | 2039          | 2047        | 2055         | rBV      | 29582          | 59261         | 1.69%           | 0.310%        |
| 14        | 14.310      | 2058          | 2065        | 2069         | rBV      | 23457          | 43957         | 1.25%           | 0.230%        |
| 15        | 14.785      | 2133          | 2143        | 2150         | rBV2     | 48299          | 114454        | 3.26%           | 0.598%        |
| 16        | 14.858      | 2150          | 2155        | 2159         | rBV      | 32332          | 51806         | 1.48%           | 0.271%        |
| 17        | 14.913      | 2159          | 2164        | 2167         | rBV      | 32908          | 67935         | 1.94%           | 0.355%        |
| 18        | 15.182      | 2203          | 2208        | 2211         | rBV2     | 55174          | 103065        | 2.94%           | 0.538%        |
| 19        | 15.499      | 2246          | 2260        | 2267         | rVB7     | 50010          | 224827        | 6.41%           | 1.175%        |
| 20        | 16.005      | 2339          | 2343        | 2347         | rBV6     | 37067          | 74325         | 2.12%           | 0.388%        |
| 21        | 16.358      | 2397          | 2401        | 2407         | rVB3     | 156616         | 301113        | 8.59%           | 1.573%        |
| 22        | 16.639      | 2441          | 2447        | 2453         | rBV2     | 211520         | 494113        | 14.09%          | 2.582%        |

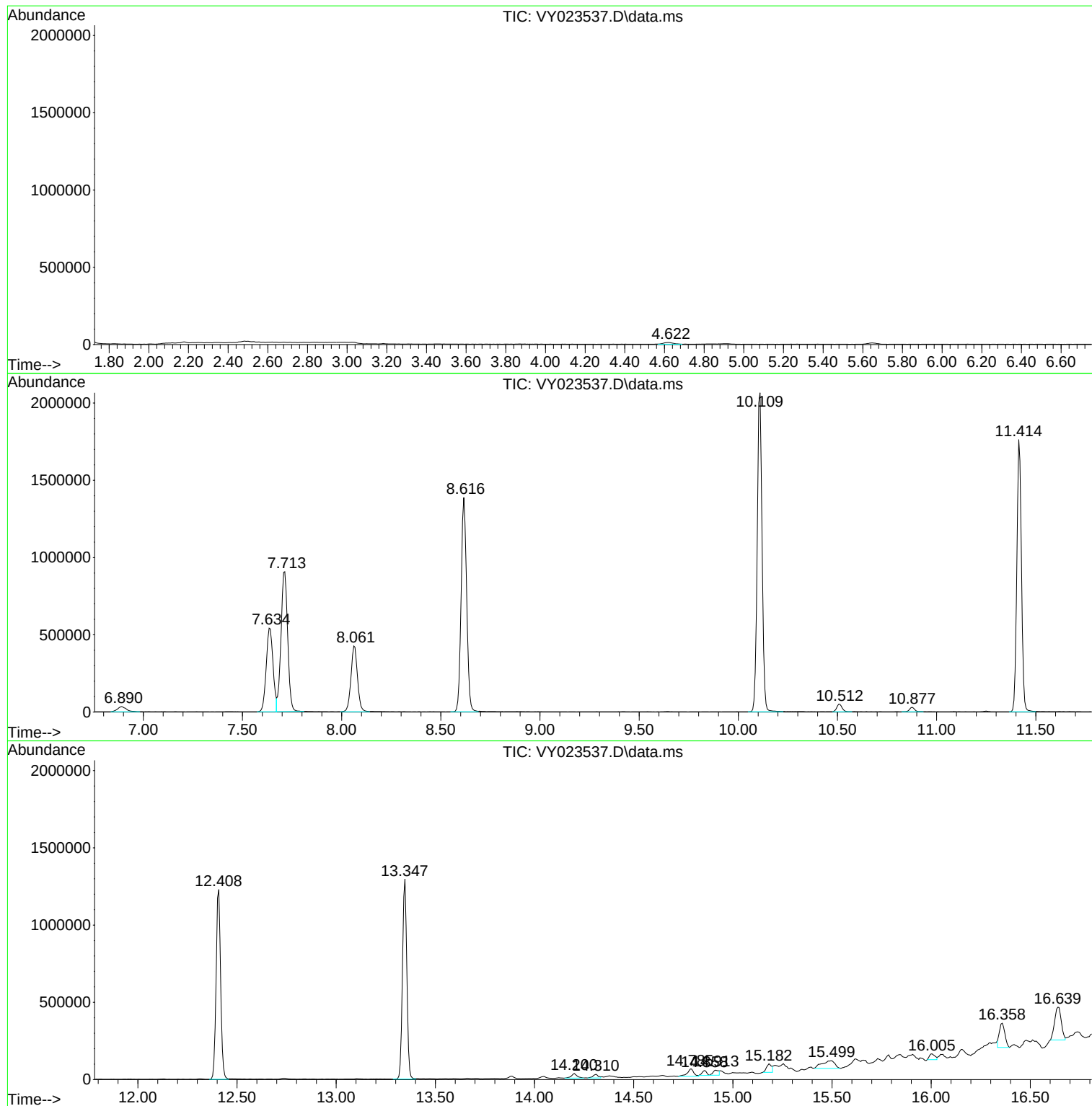
Sum of corrected areas: 19140182

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ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ARS20-0037

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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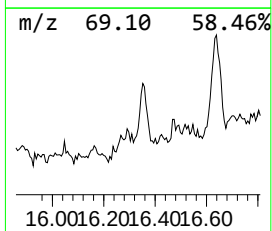
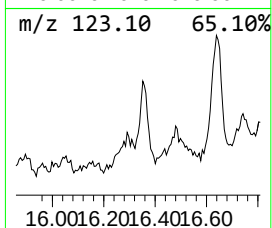
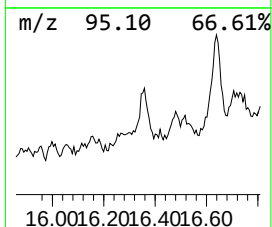
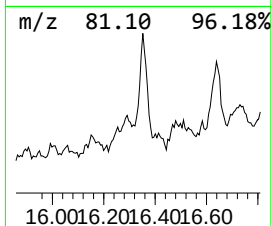
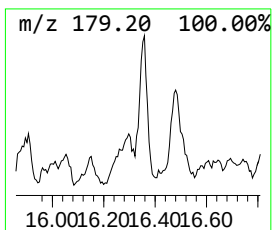
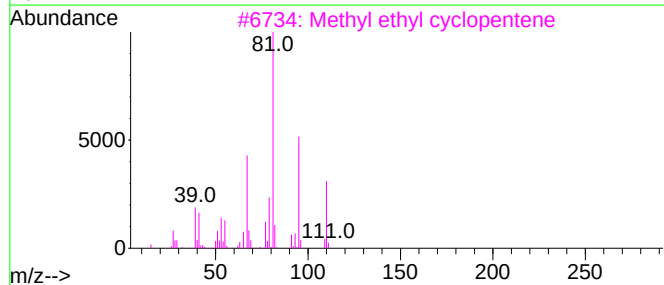
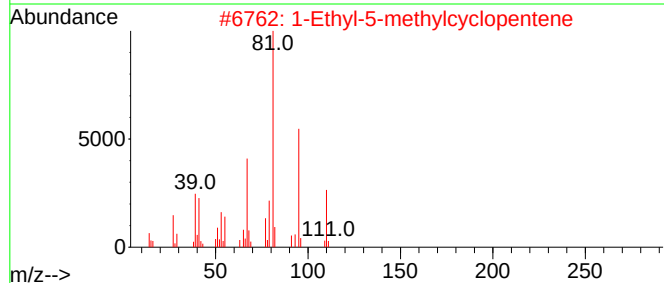
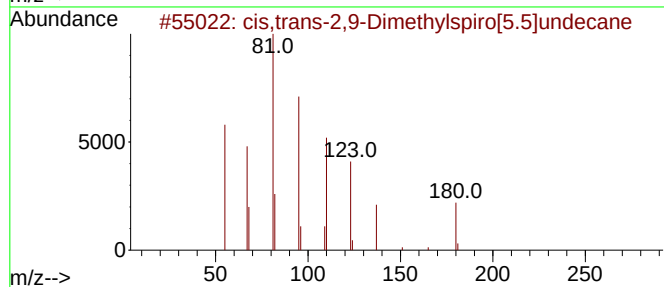
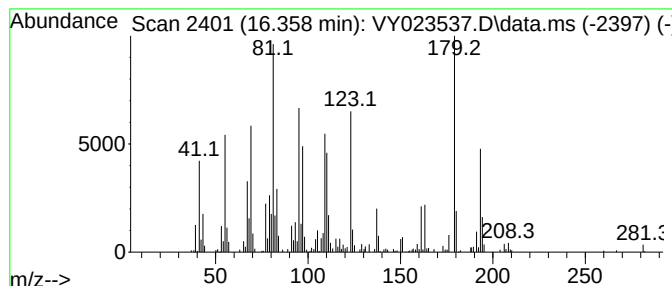
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 cis,trans-2,9-Dimethylspiro... Concentration Rank 2

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 16.358 | 7.57 ug/l | 301113 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | cis,trans-2,9-Dimethylspiro[5.5]... | 180 | C13H24  | 095530-74-8 | 86   |
| 2    |    |   | 1-Ethyl-5-methylcyclopentene        | 110 | C8H14   | 097797-57-4 | 30   |
| 3    |    |   | Methyl ethyl cyclopentene           | 110 | C8H14   | 019780-56-4 | 22   |
| 4    |    |   | di-t-Butylacetylene                 | 138 | C10H18  | 017530-24-4 | 20   |
| 5    |    |   | Cyclopropane, tetramethylpropyli... | 138 | C10H18  | 024519-04-8 | 18   |



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Quant Title : SW846 8260

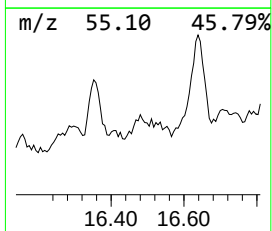
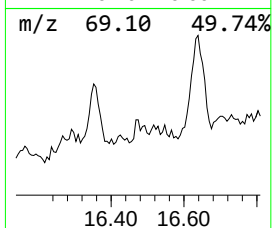
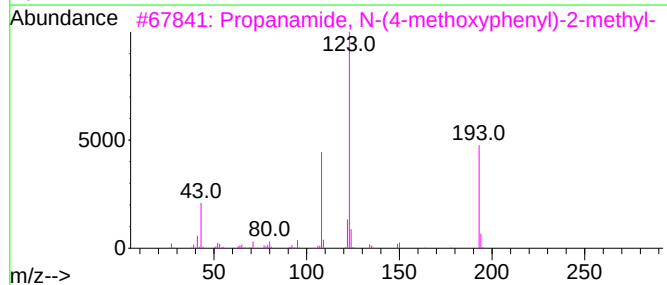
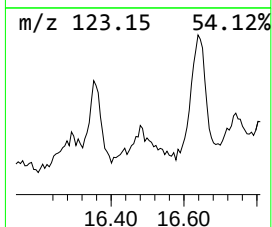
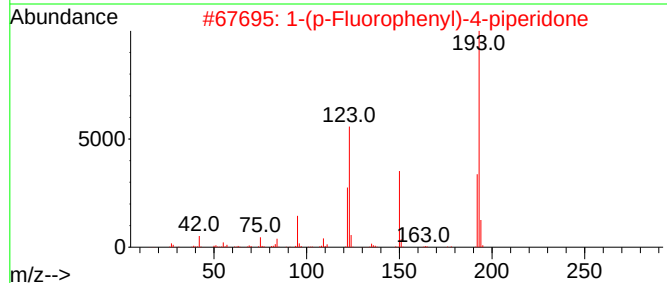
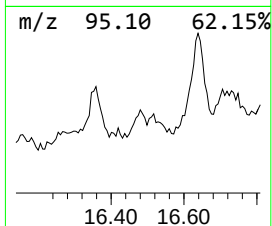
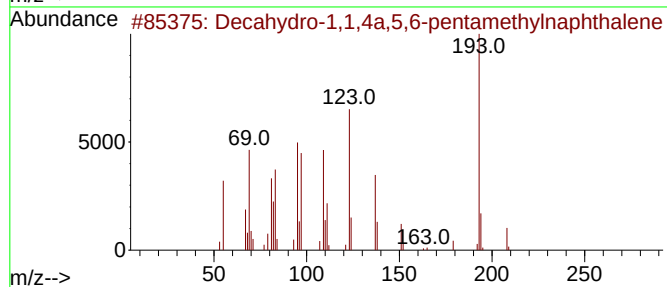
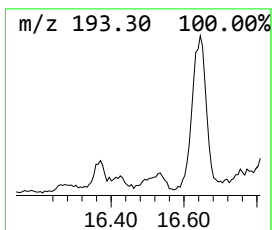
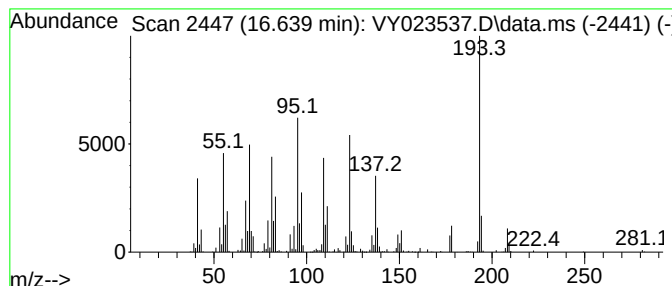
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 Decahydro-1,1,4a,5,6-pentam... Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 16.639 | 12.43 ug/l | 494113 | 1,4-Dichlorobenzene-d4 | 13.347 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Decahydro-1,1,4a,5,6-pentamethyl... | 208 | C15H28      | 080655-44-3  | 95   |
| 2    |    |   | 1-(p-Fluorophenyl)-4-piperidone     | 193 | C11H12FNO   | 1000238-56-7 | 38   |
| 3    |    |   | Propanamide, N-(4-methoxyphenyl)... | 193 | C11H15NO2   | 1000307-32-2 | 35   |
| 4    |    |   | 4-Hydroxy-N-methylbenzamide, TMS    | 223 | C11H17NO2Si | 1000504-19-9 | 22   |
| 5    |    |   | 5-Amino-2-fluorobenzonitrile, TM... | 208 | C10H13FN2Si | 1000478-92-3 | 22   |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| cis,trans-2,9-D... | 16.358 | 7.6     | ug/l  | 301113   | 4                     | 13.347 | 1987910 | 50.0 |
| Decahydro-1,1,4... | 16.639 | 12.4    | ug/l  | 494113   | 4                     | 13.347 | 1987910 | 50.0 |